

HUMAN NMDAR1 cDNAs

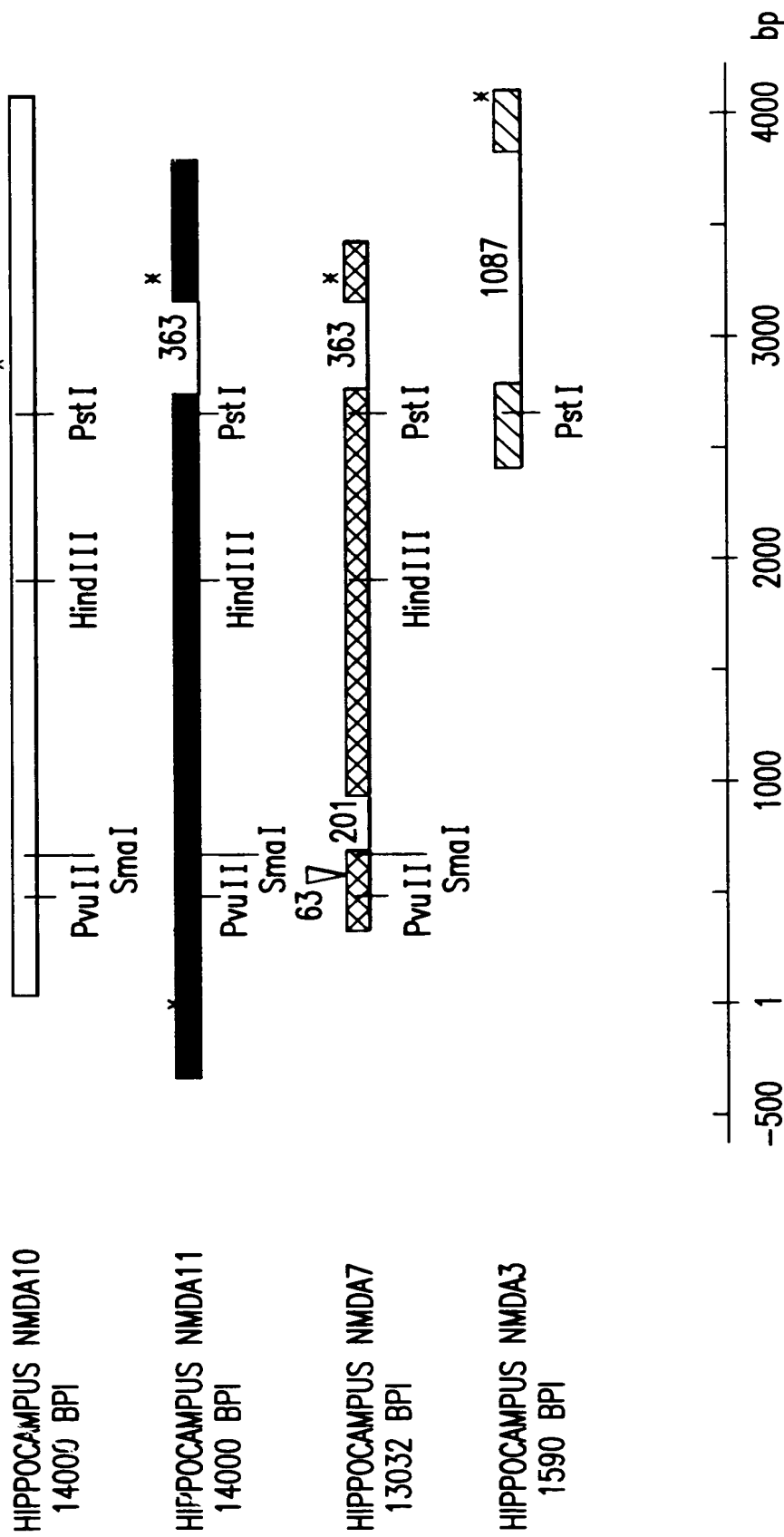


FIG.1

HUMAN NMDAR1A CONSTRUCTS

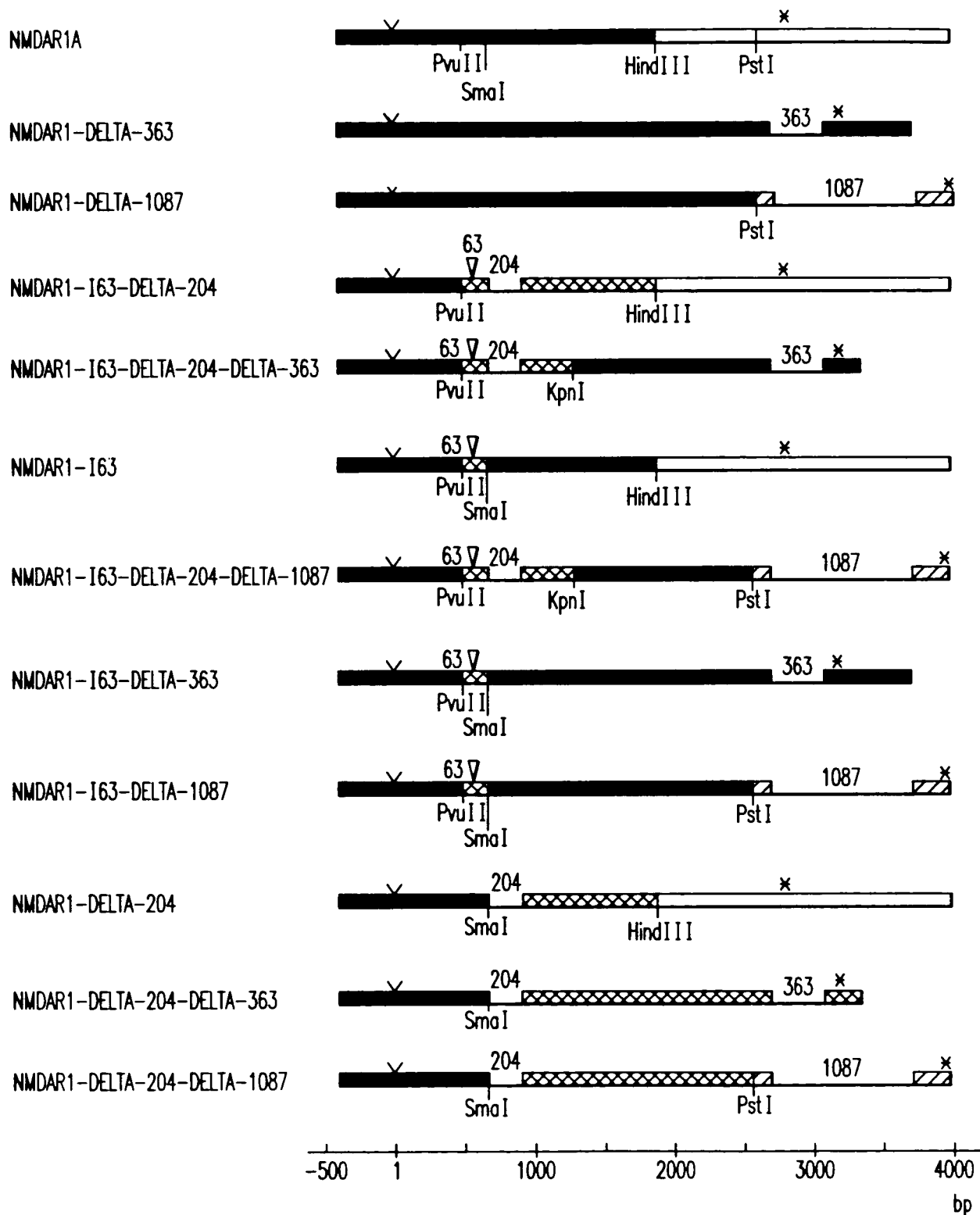


FIG.2

NUCLEOTIDE SEQUENCE OF THE HUMAN MDARIA RECEPTOR

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1  ccagccgggc gttcgagact gtgcccgccc ccgttcagc acccgggaca gcgcggcgc cgtggggctg agcgcgagc ccccgcgcac gcttcagccc
101 ccccttcctc gcccgacgtc ccgggaccgc cgtcccgagg gagcgtggc gtccgcagcc cgcggggcgc ggcggcgcca ggcgggcgcg gaagcccgcc

                - START
201 gggggatgcy ccgagggccc cgcgttcgcy ccgcgcgagc ccagggccgc cagcgagccc cATGAGCACC ATGGGCTGC TGAAGCTGC CCTGCTGTTT
301 TCTTCTCTCC TCCCTCTGCG CGCGTGGAC CCCAGATCG TCAACATTGG CGCGTCTCTG AGCAGCGCGA AGCAGCAGCA GATGTTCCGC GAGGCGGTGA
401 ACCAGGCCAA CAAGCGGCAC GGTCTCTGSA AGATTGAGT CAATGCCACC TCGTCAAGC ACAAGCCCAA CGCATCCGG ATGGCTCTGT CGGTGTGCGA
501 GGACCTCATC TCCAGCCAGG TCTAGCCCAT CCTAGCTTAG CATCCACCTA CCCCCAAGCA CCACITCACT CCCACCCCTG TCTCTACAC ACCCGGCTTC
601 TACCGCATAC CGGTCTCTGG GCTGACCACC CGCATGTCCA TCTACTGGA CAAGAGCATC CACCTGAGCT TCTGGGCAC CGTGGCGCCC TACTCCACCC

                Pvu II
701 AGTCCAGGCT GTGGTTTGAG ATGATCCGTG TCTACAGCTG GAACACATC ATCTGCTGG TCAGCGAGCA CCACGAGGGC CGCGCGGCTC AGAAAGCCTT

                63 bp INSERT
801 GGAGACGCTG CTGAGGAGC GTGAGTCCAA GGCAGAGAGG GTGCTGCAGT TTGACCCAGG GACCAGAAC GTAGCGGCC TGTGATGGA GCGGAAGAG

                Sma I
901 CTGGAGGCCC GGTTCATCAT CCTTCTGCC AGCGAGGAGG ATGCTGCCAC TGTATACCG GCAGCGCGGA TGTGAACAT GACGCGCTCC GGGTACGTGT

                Bgl II
1001 GGCTGTGTCG CGAGCGCGAG ATCTCGGGGA AGCCCCCTGG CTAGCCCCCA GACGGCATCC TCGGCTGCA GCTCATCAAC GGCAGAAGC AGTCCGCCCA
1101 CATCAGGCAC GCGGTGGCGG TGGTGGCCA GCGGTGGCAC GAGCTCTCTG AGAGGAGAA CATCACCGAC CGCGCGCGGG GCTGGCTGG CAACACCAAC
1201 ATCTGAAGA CCGGGCCGCT CTTCAGAGA GTGCTGATGT CTTCGAAGTA TGGGATGGG GTGACTGGTC GCGTGGAGTT CAATGAGGAT GGGGACCGGA
1301 AGTTGCCAA CTACAGCATC ATGAACCTGC AGAACCGCAA GTGGTGCAA GTGGCATCT ACAATGGCAC CCAGTCTATC CTAATGACA GGAAGATCAT

                Kpn I
1401 CTGGCCAGGC GGAGAGACAG AGAGCCCTCG AGGTACCAG ATGTCCACCA GACTGAAGAT TGTAGCATC CACCAGGAGC CCTTCGTGA CGTCAAGCCC
1501 AGCTGAGTG ATGGACATG CAAGGAGGAG TTCACAGTCA ACAGCGACCC AGTCAAGAG GTGATCTGCA CGCGGCCCAA CGACAGCTCG CCGGGCAGCC
1601 CCGGCCACAC GGTGCTCAG GTTGTGTCG CAGCTGCTC ATCAGCTGG CACGACCAT GAACITCACC TACGAGGTGC ACCTGGTGGC
1701 AGATGGCAAG TTGCGCACAC AGSAGCGGT GAACAACAGC AACAAGAGG AGTGAATGG GATGATGGC GAGCTGCTCA GCGGCGAGGC AGACATGATC
1801 GTGGCGCCGC TAACATAAA CAACAGCGGC GCGCAGTACA TCGAGTTTTC CAAGCCCTTC AGTACCAGG GCTGACTAT TCTGGTCAAG AAGGAGATTG
1901 CCGGAGCAC GCTGGACTCG TTGATGCAGC CGTTCACAG CACACTGCG GTGCTGGTG GCGTGTGGT GCAGTGGTG GCGGTGATGC TGTACCTGCT
2001 GGACCGCTTC AGCCCCCTCG GCGGTTCAA GGTGAACAGC GAGGAGGAGG AGGAGGAGC ACTGACCCCTG TCTCGGCCA TGTGTTCTC CTGGGGGCTC

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204 bp
DELETION

FIG.3A

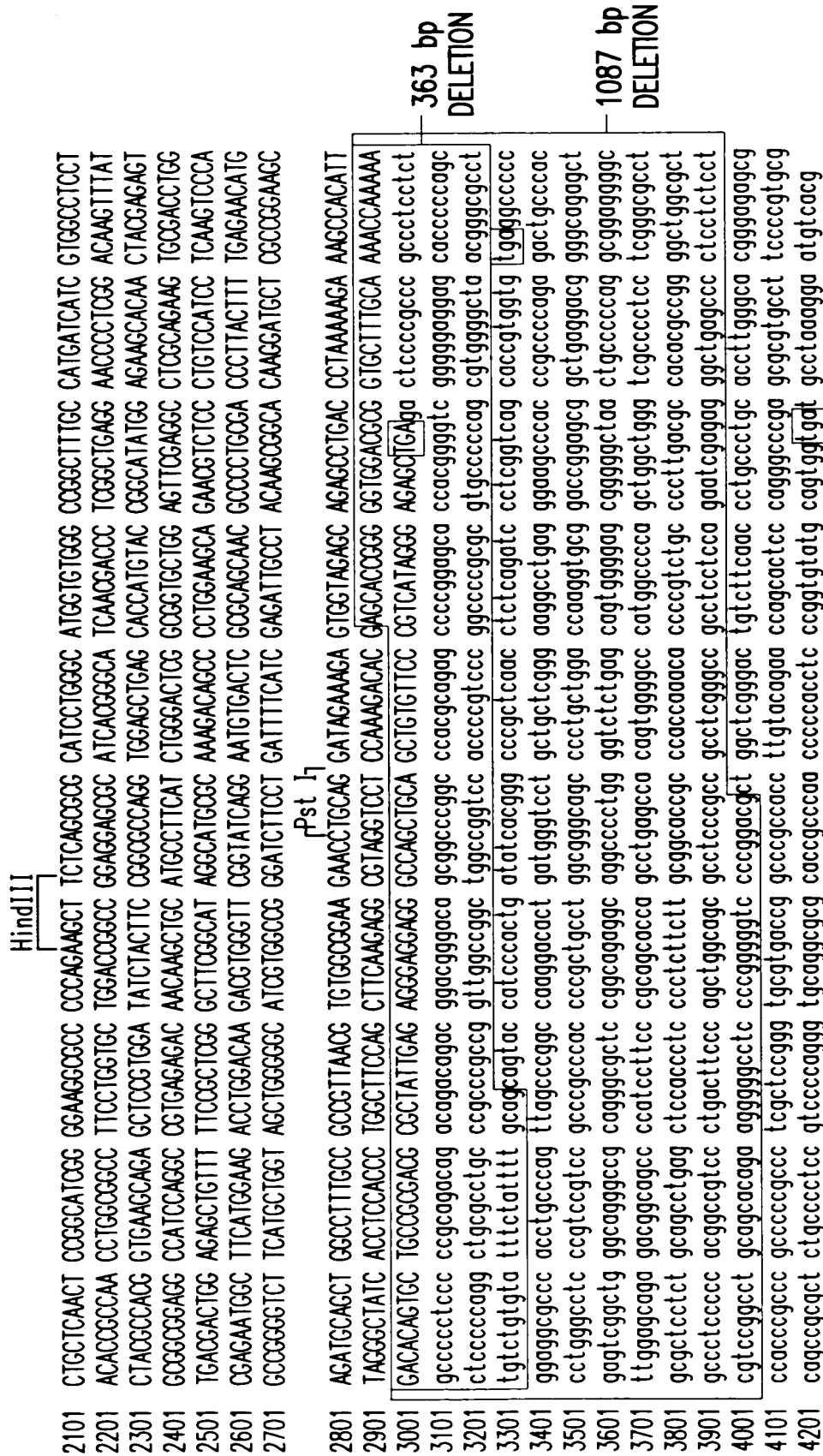


FIG.3B

HUMAN NMDAR2C cDNAs

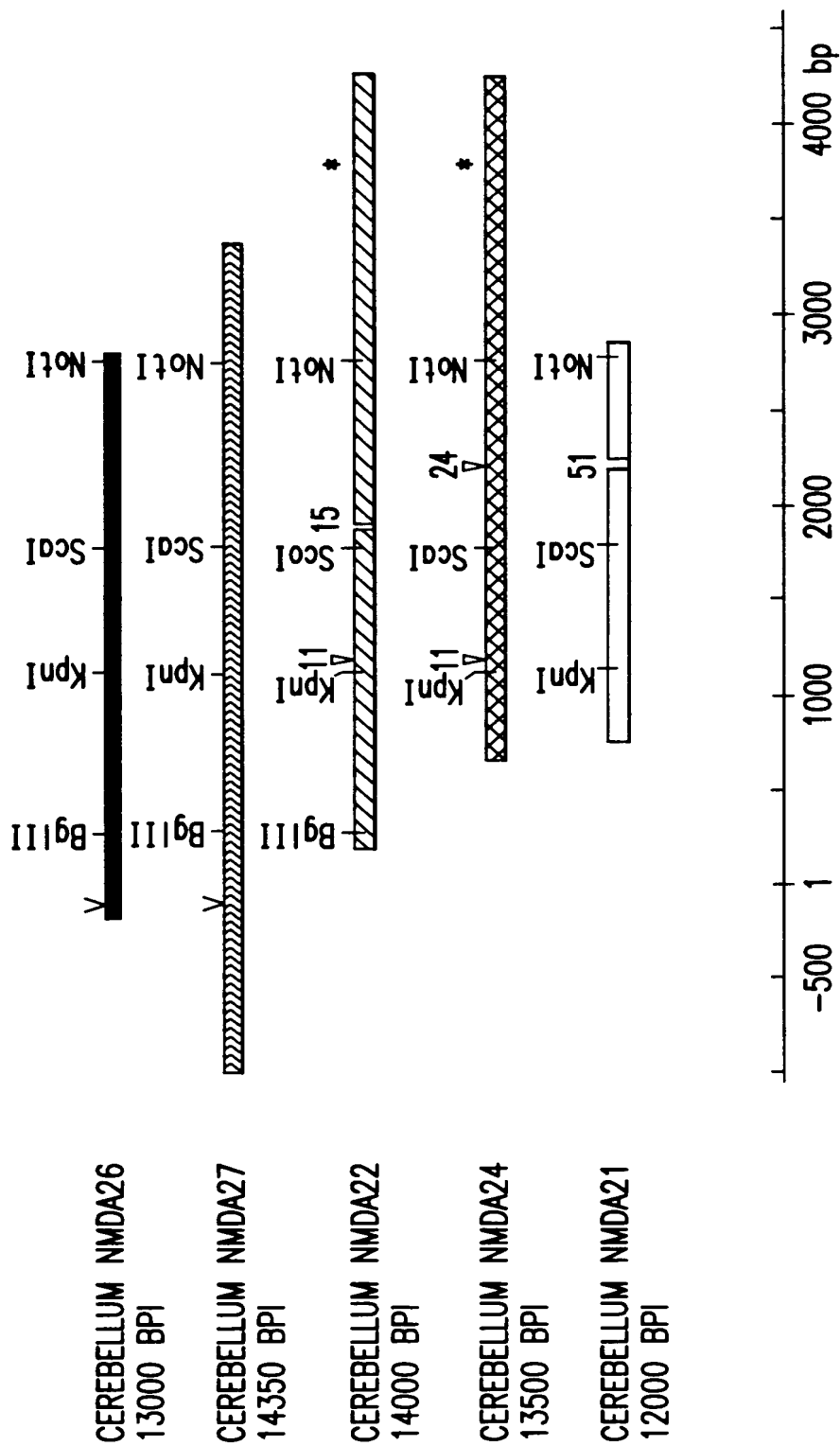


FIG.4

CONSTRUCTION OF THE FULL-LENGTH HUMAN NMDAR2C cDNAs

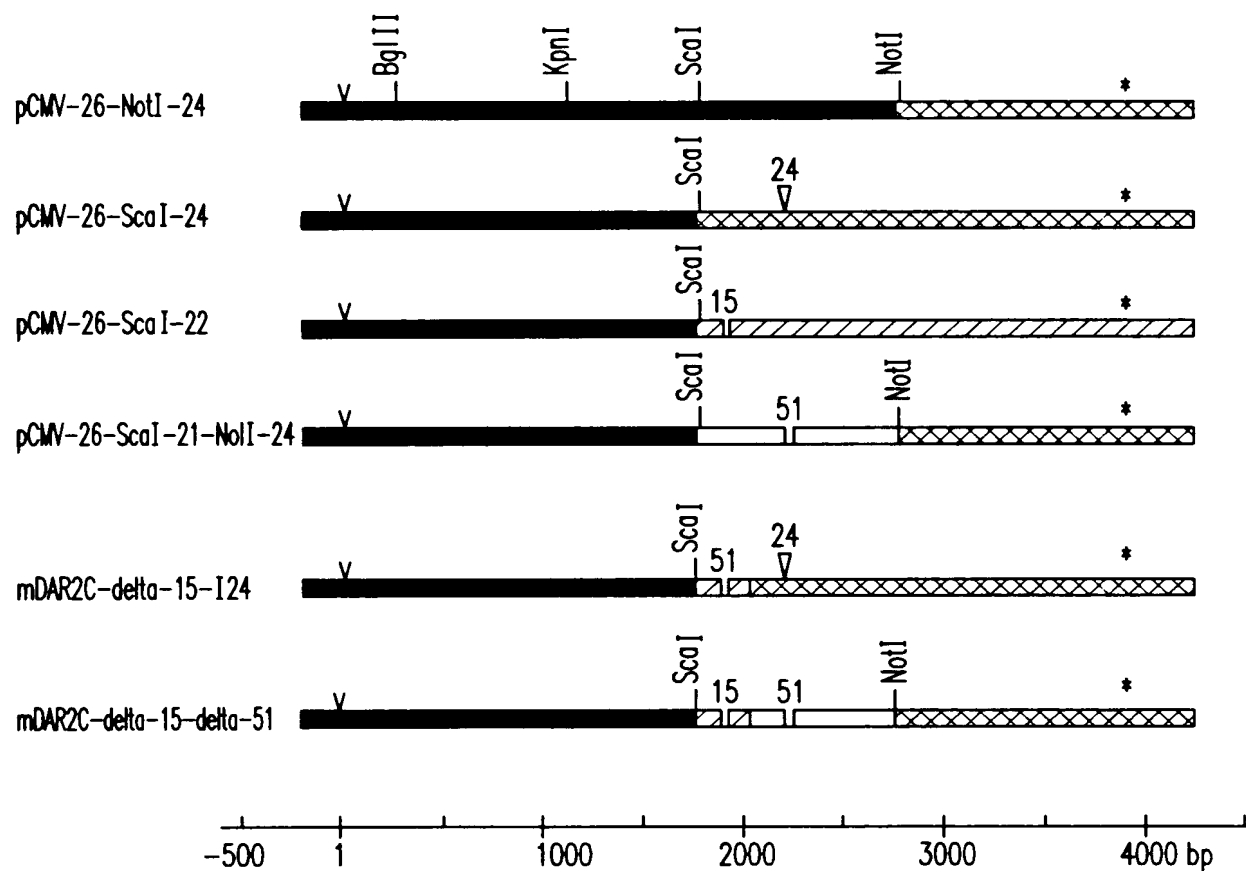


FIG.5

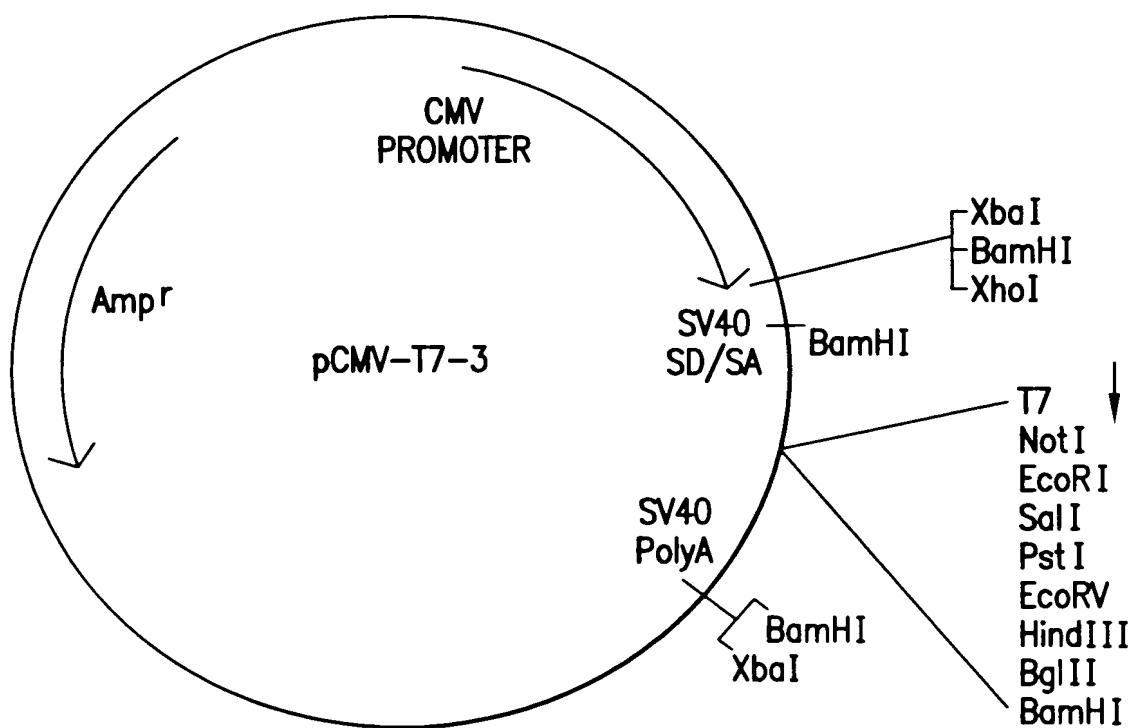
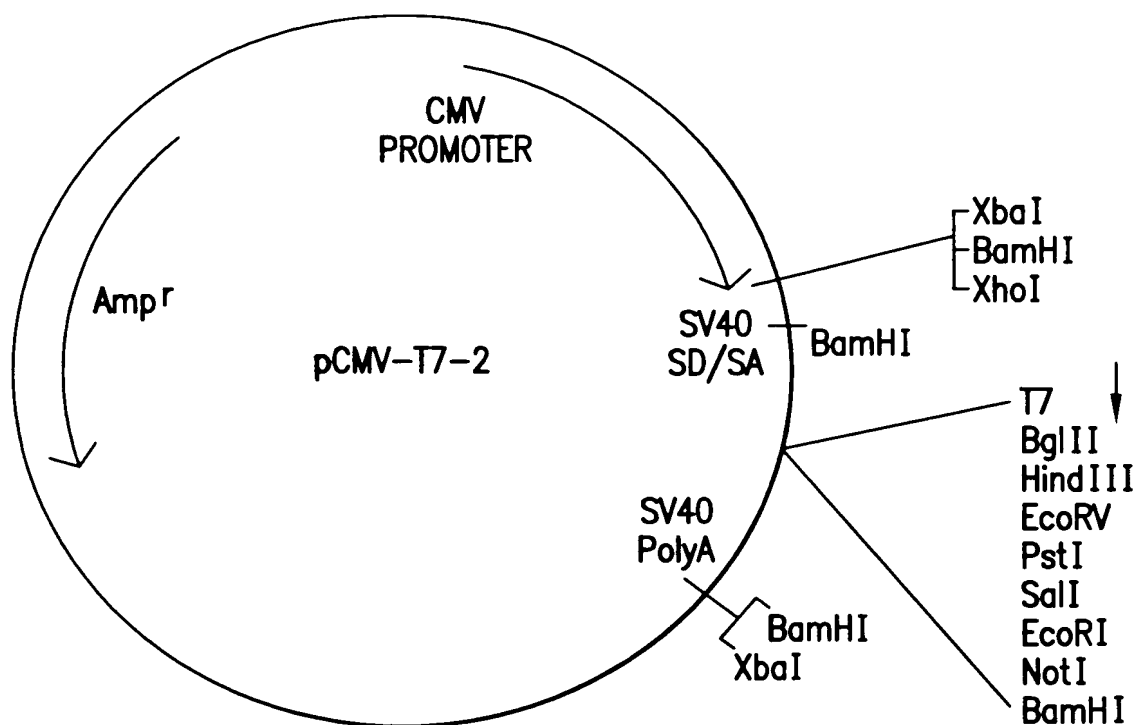


FIG.6